

Rubber Product Manufacturing for Mechanical Use: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
326291, Rubber product manufacturing for mechanical use											
2002..	497	608	51 862	1 698 610	40 718	82 358	1 157 133	4 204 660	3 250 183	7 444 016	303 135
2001..	N	N	54 020	1 704 984	43 221	88 775	1 143 325	3 907 108	3 204 645	7 138 985	281 037
2000..	N	N	60 391	1 888 157	48 649	102 631	1 281 064	4 439 187	3 324 396	7 746 172	338 144
1999..	N	N	60 323	1 778 214	48 523	102 417	1 213 133	4 485 316	3 180 647	7 668 690	338 314
1998..	N	N	56 741	1 658 528	46 070	96 001	1 142 384	4 010 490	3 131 749	7 115 858	326 449
1997..	608	716	55 397	1 593 564	44 429	91 977	1 091 734	3 857 118	2 835 920	6 668 381	345 438

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326291, Rubber product manufacturing for mechanical use												
United States	1	608	336	51 862	1 698 610	40 718	82 358	1 157 133	4 204 660	3 250 183	7 444 016	303 135
Arizona	1	5	3	147	5 028	101	212	2 673	10 378	5 480	15 757	148
Arkansas	—	10	3	1 513	49 232	1 253	2 620	37 511	105 532	89 754	195 548	9 728
California	1	60	31	3 571	104 040	2 543	5 045	57 693	251 829	128 635	380 354	13 639
Connecticut	1	10	6	513	20 737	381	814	13 685	47 645	25 061	72 309	1 350
Georgia	1	17	12	1 516	45 487	1 305	2 575	34 276	121 853	70 506	190 753	4 982
Illinois	1	29	15	1 820	54 889	1 434	3 054	39 613	139 666	84 513	224 510	4 343
Indiana	1	51	39	8 475	279 998	6 850	13 889	193 744	701 636	541 844	1 237 046	49 524
Iowa	—	6	3	1 024	35 300	839	1 782	26 515	92 500	62 911	157 558	4 085
Kentucky	—	9	6	1 385	40 667	1 090	1 809	22 794	129 061	86 945	214 666	3 572
Massachusetts	1	12	6	1 126	43 475	728	1 508	21 789	94 800	60 365	159 748	2 626
Michigan	—	35	22	3 455	106 417	2 587	4 624	62 028	310 185	277 010	586 405	39 454
Minnesota	1	16	7	454	14 602	292	586	7 718	29 684	17 303	46 730	1 017
Missouri	—	10	6	1 352	45 591	1 185	2 316	36 367	120 124	93 841	215 554	10 782
New Hampshire	2	5	2	358	13 687	246	506	7 556	24 252	11 547	35 698	1 767
New Jersey	2	26	10	609	22 744	435	950	13 120	51 254	34 266	87 069	1 818
New York	1	15	6	355	10 967	266	544	6 431	28 114	16 871	44 839	3 776
North Carolina	—	24	15	2 816	93 545	2 190	4 682	63 725	210 401	148 387	352 770	18 036
Ohio	1	113	76	12 348	432 480	10 019	20 753	318 508	1 043 312	1 036 344	2 076 816	88 624
Oklahoma	2	11	3	703	19 343	534	1 043	11 981	47 697	24 469	72 112	2 648
Oregon	4	11	4	233	7 007	193	321	5 083	15 878	13 433	29 276	852
Pennsylvania	—	19	7	881	36 077	667	1 351	24 956	113 531	63 905	178 381	6 479
Tennessee	—	10	7	2 527	71 820	1 883	3 738	52 036	165 388	128 235	292 791	13 924
Texas	3	30	14	921	24 372	750	1 501	16 017	57 425	49 712	106 808	5 387
Virginia	3	7	6	930	24 769	773	1 615	18 308	67 245	47 334	113 592	2 473
Wisconsin	2	10	8	1 127	43 373	833	1 805	25 732	97 742	66 040	164 093	5 397

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
326291, Rubber product manufacturing for mechanical use	
Companies ¹	number.. 497
All establishments ²	number.. 608
Establishments with 1 to 19 employees	number.. 272
Establishments with 20 to 99 employees	number.. 196
Establishments with 100 employees or more	number.. 140
All employees ³	number.. 51 862
Total compensation	\$1,000.. 2 245 043
Annual payroll	\$1,000.. 1 698 610
Total fringe benefits	\$1,000.. 546 433
Production workers, average for year	number.. 40 718
Production workers on March 12	number.. 40 927
Production workers on May 12	number.. 41 107
Production workers on August 12	number.. 40 561
Production workers on November 12	number.. 40 207
Production worker hours	1,000.. 82 358
Production worker wages	\$1,000.. 1 157 133
Total cost of materials	\$1,000.. 3 250 183
Materials, parts, containers, packaging, etc., used	\$1,000.. 2 838 596
Resales	\$1,000.. 218 172
Purchased fuels	\$1,000.. 38 886
Purchased electricity	\$1,000.. 103 440
Contract work	\$1,000.. 51 089
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 807 300
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 7 444 016
Primary products value of shipments	\$1,000.. 6 633 124
Secondary products value of shipments	\$1,000.. 552 715
Total miscellaneous receipts	\$1,000.. 258 177
Value of resales	\$1,000.. 247 247
Contract receipts	\$1,000.. 8 271
Other miscellaneous receipts	\$1,000.. 2 659
Primary products specialization ratio	percent.. 92
Value of primary products shipments made in all industries	\$1,000.. 6 973 450
Value of primary products shipments made in this industry	\$1,000.. 6 633 124
Value of primary products shipments made in other industries	\$1,000.. 340 326
Coverage ratio	percent.. 95
Value added	\$1,000.. 4 204 660
Total inventories, beginning of year	\$1,000.. 491 755
Finished goods inventories	\$1,000.. 185 019
Work-in-process inventories	\$1,000.. 96 682
Materials and supplies inventories	\$1,000.. 210 054
Total inventories, end of year	\$1,000.. 497 342
Finished goods inventories	\$1,000.. 203 250
Work-in-process inventories	\$1,000.. 89 278
Materials and supplies inventories	\$1,000.. 204 814
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 3 459 548
Total capital expenditures (new and used)	\$1,000.. 303 135
Buildings and other structures (new and used)	\$1,000.. 36 688
Machinery and equipment (new and used)	\$1,000.. 266 447
Automobiles, trucks, etc., for highway use	\$1,000.. 9 095
Computers and peripheral data processing equipment	\$1,000.. 26 267
All other expenditures for machinery and equipment	\$1,000.. 231 085
Total retirements	\$1,000.. 179 020
Gross value of depreciable assets at end of year	\$1,000.. 3 583 663
Depreciation charges during year	\$1,000.. 250 600
Total rental payments	\$1,000.. 63 231
Buildings and other structures	\$1,000.. 37 336
Machinery and equipment	\$1,000.. 25 895
Total other expenses ⁴	\$1,000.. 469 736
Response coverage ratio ⁵	percent.. 86
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 90 490
Communications services ⁴	\$1,000.. 11 966
Legal services ⁴	\$1,000.. 7 456
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 6 637
Advertising and promotional services ⁴	\$1,000.. 8 350
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 9 714
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 13 623
Management consulting and administrative services ⁴	\$1,000.. 14 112
Taxes and license fees ⁴	\$1,000.. 23 678
All other expenses ⁴	\$1,000.. 284 429

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326291, Rubber product manufacturing for mechanical use											
All establishments	1	608	51 862	1 698 610	40 718	82 358	1 157 133	4 204 660	3 250 183	7 444 016	303 135
Establishments with—											
1 to 4 employees	6	111	c	D	D	D	D	D	D	D	D
5 to 9 employees	8	74	508	16 467	414	809	11 777	37 706	26 863	64 789	2 838
10 to 19 employees	7	87	1 176	38 764	918	1 794	26 268	90 929	60 405	151 801	8 834
20 to 49 employees	2	122	3 923	126 809	2 801	5 582	74 506	288 810	189 057	477 818	19 412
50 to 99 employees	3	74	5 156	169 646	3 865	7 835	108 009	397 596	263 302	659 311	32 042
100 to 249 employees	1	83	12 927	399 967	10 337	21 154	272 910	1 054 779	691 263	1 745 110	58 536
250 to 499 employees	—	36	12 839	417 919	9 956	19 957	279 093	1 127 824	891 227	2 017 443	83 651
500 to 999 employees	—	20	14 001	488 449	11 303	23 017	354 208	1 078 460	1 043 615	2 114 993	88 007
1,000 to 2,499 employees	9	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	204	1 144	36 365	963	1 854	27 351	83 304	58 261	141 563	6 925

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
326291	Rubber product manufacturing for mechanical use	608	51 862	1 698 610	40 718	82 358	1 157 133	4 204 660	3 250 183	7 444 016	303 135
3262911	Molded rubber mechanical goods automotive	96	21 030	684 588	17 074	34 544	483 205	1 843 091	1 707 938	3 537 193	146 539
3262912	Molded rubber mechanical goods, transportation (excluding automotive) and off-highway machinery and equipment	25	3 257	106 191	2 427	4 601	69 884	323 148	178 781	501 583	25 373
3262913	Other molded rubber mechanical goods	124	10 315	338 786	7 825	16 072	212 616	742 427	424 058	1 165 190	37 395
3262914	Extruded rubber mechanical goods, automotive, excluding tubing	25	8 667	292 088	6 876	14 147	204 151	657 543	508 150	1 170 709	45 720
3262915	Other extruded rubber mechanical goods (excluding automotive)	31	h	D	D	D	D	D	D	D	D
3262916	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)....	4	f	D	D	D	D	D	D	D	D
3262917	Other lathe-cut rubber mechanical goods (excluding automotive and transportation)	9	535	21 255	399	837	13 671	45 733	18 570	63 898	1 924

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
326291	Rubber product manufacturing for mechanical use	2002.. N 1997.. N	X X	X X	6 973 450 6 247 657
3262911	Molded rubber mechanical goods automotive	2002.. N 1997.. N	X X	X X	3 253 218 2 288 382
32629111	Molded rubber mechanical goods automotive	2002.. N 1997.. N	X X	X X	3 253 218 2 288 382
3262911100	Molded rubber mechanical goods automotive	2002.. 116 1997.. 157	X X	X X	3 253 218 2 288 382
3262912	Molded rubber menchanial goods, transportation (excluding automotive) and off-highway machinery and equipment	2002.. N 1997.. N	X X	X X	500 917 547 974
32629121	Molded rubber menchanial goods, transportation (excluding automotive) and off-highway machinery and equipment	2002.. N 1997.. N	X X	X X	500 917 547 974
3262912100	Molded rubber menchanial goods, transportation (excluding automotive) and off-highway machinery and equipment	2002.. 78 1997.. 116	X X	X X	500 917 547 974
3262913	Other molded rubber mechanical goods	2002.. N 1997.. N	X X	X X	1 069 802 1 240 962
32629131	Other molded rubber mechanical goods	2002.. N 1997.. N	X X	X X	1 069 802 1 240 962
3262913100	Other molded rubber mechanical goods	2002.. 209 1997.. 272	X X	X X	1 069 802 1 240 962
3262914	Extruded rubber mechanical goods, automotive, excluding tubing	2002.. N 1997.. N	X X	X X	1 168 995 1 225 339
32629141	Extruded rubber mechanical goods, automotive, excluding tubing	2002.. N 1997.. N	X X	X X	1 168 995 1 225 339
3262914100	Extruded rubber mechanical goods, automotive, excluding tubing	2002.. 33 1997.. 55	X X	X X	1 168 995 1 225 339
3262915	Other extruded rubber mechanical goods (excluding automotive)	2002.. N 1997.. N	X X	X X	401 849 528 983
32629151	Other extruded rubber mechanical goods (excluding automotive)	2002.. N 1997.. N	X X	X X	401 849 528 983
3262915100	Other extruded rubber mechanical goods (excluding automotive)	2002.. 77 1997.. 104	X X	X X	401 849 528 983
3262916	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	2002.. N 1997.. N	X X	X X	62 494 104 622
32629161	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	2002.. N 1997.. N	X X	X X	62 494 104 622
3262916100	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	2002.. 11 1997.. 15	X X	X X	62 494 104 622
3262917	Other lathe-cut rubber mechanical goods (excluding automotive and transportation)	2002.. N 1997.. N	X X	X X	84 208 87 325
32629171	Other lathe-cut rubber mechanical goods (excluding automotive and transportation)	2002.. N 1997.. N	X X	X X	84 208 87 325
3262917100	Other lathe-cut rubber mechanical goods (excluding automotive and transportation)	2002.. 25 1997.. 30	X X	X X	84 208 87 325
326291W	Rubber product manufacturing for mechanical use, nsk, total	2002.. N 1997.. N	X X	X X	431 967 224 070
326291WY	Rubber product manufacturing for mechanical use, nsk, total	2002.. N 1997.. N	X X	X X	431 967 224 070
326291WYWW	Rubber product manufacturing for mechanical use, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	292 437 63 544
326291WYWY	Rubber product manufacturing for mechanical use, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	139 530 160 526

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3262911	Molded rubber mechanical goods automotive	
	United States 2002 . .	3 253 218
	1997 . .	2 288 382
	California 2002 . .	11 313
	1997 . .	7 447
	Georgia 2002 . .	178 438
	1997 . .	66 333
	Illinois 2002 . .	98 781
	1997 . .	90 541
	Indiana 2002 . .	798 953
	1997 . .	701 388
	Kentucky 2002 . .	92 470
	1997 . .	59 548
	Michigan 2002 . .	378 212
	1997 . .	362 120
	Minnesota 2002 . .	7 956
	1997 . .	14 141
	Ohio 2002 . .	1 091 387
	1997 . .	599 800
	Pennsylvania 2002 . .	7 863
	1997 . .	12 930
	Tennessee 2002 . .	143 930
	1997 . .	N
	Virginia 2002 . .	53 361
	1997 . .	18 680
3262912	Molded rubber menchanial goods, transportation (excluding automotive) and off-highway machinery and equipment	
	United States 2002 . .	500 917
	1997 . .	547 974
	California 2002 . .	24 810
	1997 . .	13 353
	Georgia 2002 . .	12 563
	1997 . .	N
	Iowa 2002 . .	21 872
	1997 . .	N
	Michigan 2002 . .	2 915
	1997 . .	14 388
	Minnesota 2002 . .	6 680
	1997 . .	6 906
	Ohio 2002 . .	118 750
	1997 . .	86 752
	Wisconsin 2002 . .	13 439
	1997 . .	N
3262913	Other molded rubber mechancial goods	
	United States 2002 . .	1 069 802
	1997 . .	1 240 962
	California 2002 . .	212 375
	1997 . .	159 279
	Connecticut 2002 . .	12 255
	1997 . .	15 127
	Georgia 2002 . .	20 654
	1997 . .	20 563
	Illinois 2002 . .	53 953
	1997 . .	35 648
	Indiana 2002 . .	110 635
	1997 . .	96 739
	Kentucky 2002 . .	21 147
	1997 . .	N
	Massachusetts 2002 . .	61 797
	1997 . .	22 527
	Michigan 2002 . .	35 505
	1997 . .	30 394
	Minnesota 2002 . .	20 194
	1997 . .	57 970
	New Jersey 2002 . .	36 479
	1997 . .	66 450
	New York 2002 . .	6 845
	1997 . .	6 871
	North Carolina 2002 . .	79 657
	1997 . .	8 851
	Ohio 2002 . .	116 545
	1997 . .	182 153
	Oregon 2002 . .	3 492
	1997 . .	8 504
	Pennsylvania 2002 . .	21 303
	1997 . .	68 906
	Tennessee 2002 . .	6 416
	1997 . .	12 245
	Texas 2002 . .	18 237
	1997 . .	79 475
	Virginia 2002 . .	23 762
	1997 . .	26 258
	Wisconsin 2002 . .	77 200
	1997 . .	75 849
3262914	Extruded rubber mechanical goods, automotive, excluding tubing	
	United States 2002 . .	1 168 995
	1997 . .	1 225 339
	California 2002 . .	3 376
	1997 . .	12 134
	Michigan 2002 . .	72 862
	1997 . .	85 678
	North Carolina 2002 . .	221 805
	1997 . .	N
	Ohio 2002 . .	281 216
	1997 . .	277 965
3262915	Other extruded rubber mechanical goods (excluding automotive)	

See footnotes at end of table.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3262915	Other extruded rubber mechanical goods (excluding automotive)—Con.	
	United States..... 2002..	401 849
	..... 1997..	528 983
	California..... 2002..	39 341
	..... 1997..	34 183
	Connecticut..... 2002..	11 634
	..... 1997..	N
	Indiana..... 2002..	14 230
	..... 1997..	15 723
	Michigan..... 2002..	23 602
	..... 1997..	38 262
	New York..... 2002..	12 236
	..... 1997..	N
	Ohio..... 2002..	127 020
	..... 1997..	221 113
	Oregon..... 2002..	9 967
	..... 1997..	10 115
	Tennessee..... 2002..	61 898
	..... 1997..	N
3262916	Lathe-cut rubber mechanical goods, automotive and transportation (including on- and off-road, and gasoline and diesel equipment)	
	United States..... 2002..	62 494
	..... 1997..	104 622
	Ohio..... 2002..	9 369
	..... 1997..	N
3262917	Other lathe-cut rubber mechanical goods (excluding automotive and transportation)	
	United States..... 2002..	84 208
	..... 1997..	87 325
	California..... 2002..	2 642
	..... 1997..	2 590

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
326291	Rubber product manufacturing for mechanical use		
00900001	Total materials .....2002..	X	2 838 596
	.....1997..	X	2 531 577
11321005	Natural latex rubber (dry solids content) .....2002..	X	14 379
	.....1997..	X	35 679
11321003	Natural dry rubber .....2002..	X	51 197
	.....1997..	X	66 026
32521115	Plastics resins (excluding vinyl) consumed in the form of granules, pellets, powders, liquids, etc.....2002..	X	48 390
	.....1997..	X	27 731
32521139	Vinyl and vinyl copolymer resins (all forms) .....2002..	X	15 618
	.....1997..	X	16 625
32521111	Polyurethane elastomers and plastics (excluding thermoplastics) .....2002..	X	25 579
	.....1997..	X	31 779
32521207	Thermoplastics elastomers, polyurethane.....2002..	X	D
	.....1997..	X	4 705
32521203	Styrene-butadiene rubber (SBR).....2002..	X	49 675
	.....1997..	X	122 195
32521209	Polychloroprene rubber .....2002..	X	20 589
	.....1997..	X	36 822
32521211	Nitrile rubber, butadiene-acrylonitrile .....2002..	X	13 998
	.....1997..	X	22 696
32521213	Ethylene-propylene rubber .....2002..	X	65 829
	.....1997..	X	63 603
32520007	Other plastics materials (including synthetic resins, synthetic rubber, cellulosic and other manmade fibers), excluding glass .....2002..	X	54 926
	.....1997..	X	98 946
32629900	Reclaimed rubber (excluding mud and crumb and ground scrap) .....2002..	X	2 216
	.....1997..	X	N
32629904	Rubber compounds and mixtures, purchased (dry rubber solids content) .....2002..	X	564 032
	.....1997..	X	N
32600019	All other fabricated rubber products .....2002..	X	33 652
	.....1997..	X	19 688
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.) .....2002..	X	71 095
	.....1997..	X	75 019
32510059	Plasticizers .....2002..	X	22 270
	.....1997..	X	13 317
32510085	All other industrial organic chemicals .....2002..	X	15 739
	.....1997..	X	26 616
32518201	Carbon black .....2002..	X	52 074
	.....1997..	X	N
32513106	Inorganic pigments .....2002..	X	2 733
	.....1997..	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	35 336
	.....1997..	X	34 659
33200081	Fabricated metal products (excluding forgings) .....2002..	X	615 017
	.....1997..	X	328 293
33120010	Steel wire .....2002..	X	93 301
	.....1997..	X	N
31320013	Cotton fabrics .....2002..	X	D
	.....1997..	X	6 113
31320015	Manmade fiber fabrics (including glass) .....2002..	X	42 202
	.....1997..	X	24 943
33120003	Textile fabrics .....2002..	X	92 388
	.....1997..	X	111 072
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	33 053
	.....1997..	X	36 960
00970099	All other materials and components, parts, containers, and supplies.....2002..	X	433 113
	.....1997..	X	N
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	360 837
	.....1997..	X	378 216

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.